Amendments to the Claims:

1. **(Original)** A loudspeaker comprising:

a magnetic circuit having a magnetic gap;

a frame coupled to the magnetic circuit;

a voice coil having a first end positioned in the magnetic gap and a second end opposite to the first end, the voice coil having a center axis provided through the first end and the second end; and

a diaphragm coupled to the second end of the voice coil and the frame, the diaphragm having a first portion in which the center axis of the voice coil is provided, the first portion of the diaphragm being provided inside the voice coil, the diaphragm further having a second portion outside the voice coil,

wherein one of the first portion and the second portion of the diaphragm has a cross section in a plane including the center axis, and the cross section of the one of the first portion and the second portion of the diaphragm has an elliptic-arc shape.

2. **(Original)** The loudspeaker according to claim 1, wherein other of the first portion and the second portion of the diaphragm includes

a third portion having a cross section in the plane including the center axis, the cross section of the third portion including a first arc, and

a fourth portion having a cross section in the plane including the center axis, the cross section of the fourth portion including a second arc having a radius larger than a radius of the first arc, the fourth portion adjoining the third portion and being farther from the second end of the voice coil than the third portion.

3. **(Original)** The loudspeaker according to claim 1, wherein other of the first portion and the second portion of the diaphragm has a cross section in the plane including the center axis,

and the cross section of the other of the first portion and the second portion of the diaphragm has an elliptic-arc shape.

4. **(Original)** The loudspeaker according to claim 1, wherein the diaphragm comprises resin material.

5. **(Original)** The loudspeaker according to claim 1, wherein the diaphragm further has a guide coupled with the second end of the voice coil.

6. **(Original)** The loudspeaker according to claim 1, wherein the diaphragm has a groove to which the second end of the voice coil is inserted.

7. **(Original)** The loudspeaker according to claim 1, wherein the first portion of the diaphragm has a dent formed therein.

8. **(Original)** A loudspeaker comprising:

a magnetic circuit having a magnetic gap;

a frame coupled to the magnetic circuit;

a voice coil having a first end positioned in the magnetic gap and a second end opposite to the first end, the voice coil having a center axis provided through the first end and the second end; and

a diaphragm coupled to the second end of the voice coil and the frame, the diaphragm having a first portion in which the center axis of the voice coil is provided, the first portion of the diaphragm being provided inside the voice coil, the diaphragm further having a second portion outside the voice coil,

wherein one of the first portion and the second portion of the diaphragm includes

a third portion having a cross section in a plane including the center axis, the cross section of the third portion including the first arc, and

a fourth portion having a cross section in the plane including the center axis, the cross section of the fourth portion including a second arc having a radius larger than a radius of the first arc, the fourth portion adjoining the third portion and being farther from the second end of the voice coil than the third portion.

9. **(Original)** The loudspeaker according to claim 8, wherein the other of the first portion and the second portion of the diaphragm includes

a fifth portion having a cross section in the plane including the center axis, the fifth portion including a third arc, and

a sixth portion having a cross section in the plane including the center axis, the sixth portion including a fourth arc having a radius larger than a radius of the third arc, the sixth portion adjoining the fifth portion and being farther from the second end of the voice coil than the fifth portion.

10. **(Original)** The loudspeaker according to claim 8, wherein the diaphragm comprises resin material.

11. **(Original)** The loudspeaker according to claim 8, wherein the diaphragm further has a guide coupled to the second end of the voice coil.

12. **(Original)** The loudspeaker according to claim 8, wherein the diaphragm has a groove to which the second end of the voice coil is inserted.

13. **(Original)** The loudspeaker according to claim 8, wherein the first portion of the diaphragm has a dent formed therein.

14. **(Original)** A loudspeaker comprising:

a magnetic circuit having a magnetic gap;

a frame coupled to the magnetic circuit;

a voice coil having a first end positioned in the magnetic gap and a second end opposite to the first end, the voice coil having a center axis provided through the first end and the second end; and

a diaphragm coupled to the second end of the voice coil and the frame, the diaphragm has a portion in which the center axis of the voice coil is provided, the portion of the diaphragm being provided inside the voice coil,

wherein the diaphragm has a non-circular outer shape, and

wherein the portion of the diaphragm has a dent formed therein.

15. **(Original)** The loudspeaker according to claim 14, wherein the diaphragm has an elliptical outer shape.

16. **(Original)** The loudspeaker according to claim 14, wherein the diaphragm has an oval outer shape.

17. **(Original)** The loudspeaker according to claim 14, wherein the diaphragm has a rectangular outer shape.

18. **(Currently amended)** An apparatus comprising:

the loudspeaker according to ~~any one of claims 1 to 17~~ claim 1; and

a member coupled to the loudspeaker.

19. **(Original)** The apparatus according to claim 18, wherein the member is an electronic circuit.

20. **(New)** An apparatus comprising:

the loudspeaker according to claim 8; and

a member coupled to the loudspeaker.

21. **(New)** An apparatus comprising:
the loudspeaker according to claim 14; and
a member coupled to the loudspeaker.